

WHAT IS CLAIMED IS:

1 1. In a telecommunications system, a method for
2 selectively forwarding an incoming message to a subscriber
3 over a packet-switched network, said method comprising the
4 steps of:

5 receiving said incoming message, said incoming
6 message to said subscriber containing therein a data type
7 parameter;

8 determining, within a home location register for
9 said subscriber, a call forwarding parameter associated
10 within said subscriber corresponding to said data type
11 parameter; and

12 routing said incoming message, pursuant to said
13 call forwarding parameter, over said packet-switched network
14 to said subscriber.

1 2. The method according to claim 1, further comprising
2 the steps of:

3 transmitting, by said subscriber, a call forwarding
4 activation request to said home location register; and

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5 storing, pursuant to said call forwarding
6 activation request, said forwarding parameter within said
7 home location register.

1 3. The method according to claim 1, wherein said
2 packet-switched network is the Internet.

1 4. The method according to claim 1, wherein said step
2 of routing further comprises the step of routing said
3 incoming message over said packet-switched network to an
4 address destination on said packet-switched network.

1 5. The method according to claim 1, wherein said step
2 of routing further comprises the step of routing said
3 incoming message through said packet-switched network and
4 then back to said telecommunications system.

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1 6. The method according to claim 1, wherein said call
2 forwarding parameter derived from said incoming message
3 comprises an indication that said call forwarding is
4 activated for data and fax information.

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1 7. The method according to claim 1, wherein said call
2 forwarding parameter derived from said incoming message
3 comprises an indication that said call forwarding is
4 activated for incoming calls that incur toll charges.

1 8. The method according to claim 1, wherein said
2 incoming message includes a designated packet-switched
3 network address destination.

9. A telecommunications system for selectively
forwarding an incoming message to a subscriber over a packet-
switched network, said system comprising:
a home location register to which said subscriber
is assigned;
a home database, attached to said home location
register, for storing therein a call forwarding profile for
said subscriber, said call forwarding profile containing
therein at least one call forwarding parameter associated
with said subscriber, each said call forwarding parameter

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11 corresponding to a data type parameter contained in said
12 incoming message; and
13 routing means for routing said incoming message,
14 pursuant to said call forwarding parameter, over said packet-
15 switched network to said subscriber.

1 10. The telecommunications system according to claim
2 9, further comprising:

3 a mobile terminal for transmitting by said
4 subscriber a call forwarding activation request to said home
5 location register, said call forwarding activation request
6 updating said call forwarding profile of said subscriber
7 within said home database.

1 11. The telecommunications system according to claim
2 10, wherein said packet-switched network is the Internet.

1 12. The telecommunications system according to claim
2 11, wherein said call forwarding activation request includes
3 an Internet protocol address destination.

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1 13. The telecommunications system according to claim
2 12, wherein said Internet protocol address destination is
3 associated with a terminal connected to said Internet.

1 14. The telecommunications system according to claim
2 12, wherein said Internet protocol address destination is
3 associated with said mobile terminal.

1 15. The telecommunications system according to claim
2 10, wherein said call forwarding activation request includes
3 a provision to forward via said packet-switched network
4 incoming calls comprised of fax and data information.

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1 16. The telecommunications system according to claim
2 10, wherein said call forwarding activation request includes
3 a provision to forward via said packet-switched network
4 incoming calls which incur toll charges.

1 17. The telecommunications system according to claim
2 10, wherein said subscriber inputs a designated Internet
3 protocol address destination to said mobile terminal.

1 18. The telecommunications system according to claim
2 17, wherein said mobile terminal checks said designated
3 Internet protocol address destination.

1 19. The telecommunications system according to claim
2 17, wherein said mobile terminal, in conjunction with a
3 mobile switching center, verifies the existence of said
4 designated Internet protocol address destination.

1 20. The telecommunications system according to claim
2 10, wherein said call forwarding activation request is
3 transmitted to said home database via said packet-switched
4 network.

1 21. A mobile terminal, associated with a subscriber,
2 for selectively indicating the forwarding of an incoming
3 message thereto over a packet-switched network, said mobile
4 terminal comprising:

5 input means for inputting, by said subscriber, a
6 call forwarding activation request; and

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7 transmission means for transmitting said call
8 forwarding activation request, whereby said incoming message
9 is forwarded to said subscriber, pursuant to said call
10 forwarding activation request, over said packet-switched
11 network.

22. The mobile terminal according to claim 21, wherein
said input means further comprises a key means for inputting
said call forwarding activation request by pressing a single
key.

23. The mobile terminal according to claim 21, wherein
said input means further comprises a menu means for inputting
said call forwarding activation request.

24. The mobile terminal according to claim 21, wherein
said packet-switched network is the Internet and said call
forwarding activation request comprises an Internet protocol
address.

1 25. The mobile terminal of Claim 24, wherein said input
2 means further comprises format checking means for checking
3 whether a respective inputted Internet protocol address is
4 in a proper format.

1 26. The mobile terminal of Claim 23, wherein said call
2 forwarding activation request is selected from the group
3 consisting of (i) fax and data only Internet call forwarding,
4 (ii) long distance only Internet call forwarding, (iii) e-
5 mail Internet protocol address call forwarding, and (iv)
6 combinations of (i), (ii) and (iii).

7 27. The mobile terminal of Claim 21, further comprising
8 Internet call forwarding indicator means for providing an
9 indication to a subscriber that Internet call forwarding is
10 activated.